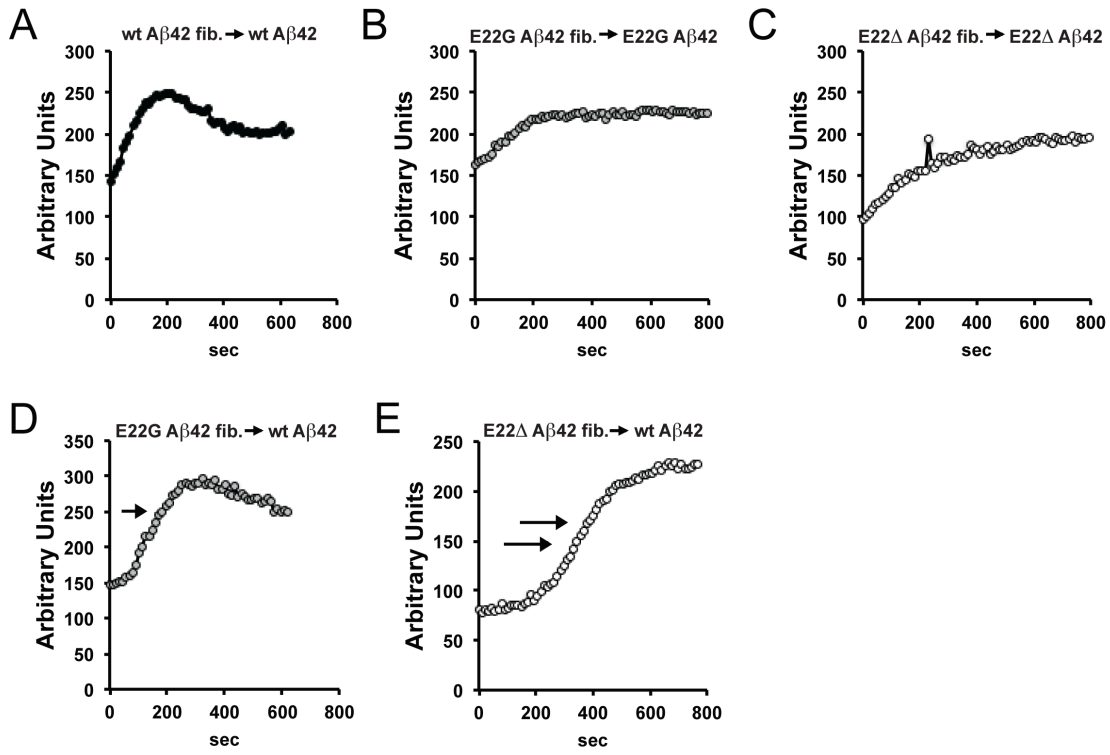

Supplementary Figure 5

Seeding experiments. Recombinant E22Δ, E22G (Arctic) and wildtype Aβ42 peptides were reconstituted at 2.5 μM (1 ml buffer solution, pH 7.4) and were incubated at 37 ºC under continuous stirring to allow for amyloid fibril formation. After 1000 sec (when all aggregation curves had reached the plateau phase) 500 μl of the fibril solution were incubated with an identical volume of a solution that contained fresh (monomeric) Aβ42 peptides (total monomer concentration of fresh peptide: 2.5 μM). Representative figures of at least three independent experiments are shown. **A-C**, Incubation of wildtype Aβ42 (**A**), E22G Aβ42 (**B**) or E22Δ Aβ42 fibrils (**C**) with preparations of their respective monomeric peptides results in an immediate increase in Thioflavin T fluorescence without a lag phase which indicates good seeding. **D**, E22G Aβ42 fibrils are slightly inferior to wildtype Aβ42 fibrils in seeding wildtype Aβ42 aggregation (note the slight delay of the increase in Thioflavin T fluorescence), whereas **E**, seeding of wildtype Aβ42 aggregation is relatively delayed when wildtype Aβ42 monomers are incubated with E22Δ Aβ42 fibrils.